# Technical Specifications of Current Transformers

| Sl No. | Technical Particulars | Type-1 ( 220KV) |
|---|---|---|
| 1 | Normal System Voltage (KV) | 220KV |
| 2 | Highest System Voltage (KV) | 245KV |
| 3 | Frequency | 50HZ |
| 4 | Basic Insulation Level (KV Peak) | 1050 |
| 5 | Power Frequency withstand strength (KV RMS) | 460 |
| 6 | Short Time Current rating (KA for 1sec) | 40 |
| 7 | Secondary winding current rating (Amp) | 1 |
| 8 | Number of Cores | 2 |
| 9 | Ratio | 15/1 A |

| Sl No. | Type of CTs | Purpose | Rated Burden | Accuracy Class | Instrument security factor |
|---|---|---|---|---|---|
| 1 | 220KV CT Type-1<br>Core-1<br><br>Core-2 | <br><br>Metering<br><br>Metering | <br><br>5VA<br><br>5VA | <br><br>0.2S<br><br>0.2S | <br><br><br><=5 at all ratios |